



Sheet 1 of 2

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50195/008003
				Serial No.	09/988,115
				Applicant	James M. Robl et al.
				Filing Date	November 16, 2001
				Group	1632
				IDS Filed	January 28, 2005
(37 C.F.R. § 1.98(b))				Customer No.	21559

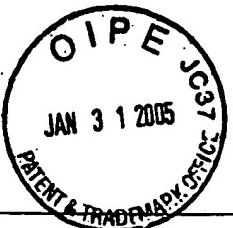
U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	WO 99/60108	11/25/1999	WIPO			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
<i>de</i>	Echelard et al., Cloned cattle engineered to carry an artificial chromosome encoding human immunoglobulin genes are a significant leap toward the production of safer and more potent therapeutic antibodies, <i>Nat. Biotechnol.</i> 20:881-882, 2002.					
	Farrugia et al., Intravenous immunoglobulin: regulatory perspectives on use and supply, <i>Trans. Med.</i> 11:63-74, 2001.					
	Fishwild et al., Highavidity human IgGk monoclonal antibodies from a novel strain of minilocus transgenic mice, <i>Nat. Biotech.</i> 14:845-851, 1996.					
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	Joziasse et al., Xenotransplantation: the importance of the Galα1,3Gal epitope in hyperacute vascular rejection, <i>Biochim. et BioPhys.</i> 1455:403-418, 1999.					
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	Lonberg et al., Human antibodies from transgenic mice, <i>Intern. Rev. Immun.</i> 13:65-93, 1995.					
	Lucier et al., Multiple sites of Vλ diversification in cattle, <i>J. Immun.</i> 161:5438-5444, 1998.					
<i>de</i>	Mendez et al., Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice, <i>Nat. Genet.</i> 15:146-156, 1997.					

EXAMINER	<i>Deborah Cirelli</i>	DATE <i>4/15/05</i>
CONSIDERED		

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.



Sheet 2 of 2

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. 50195/008003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No. 09/988,115
		Applicant James M. Robl et al.
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Raeber et al., Ectopic expression of prion protein (PrP) in T lymphocytes or hepatocytes of PrP knockout mice is insufficient to sustain prion replication, <i>Proc. Natl. Acad. Sci.</i> 96:3987-3992, 1999.
Sandrin et al., Recent advances in xenotransplantation, <i>Curr. Opin. in Immun.</i> 11:527-531, 1999.
Stiehm et al., Appropriate therapeutic use of immunoglobulin, <i>Trans. Med. Rev. X</i> :203-221, 1996.
Tomizuka et al., Functional expression and germline transmission of a human chromosome fragment in chimaeric mice, <i>Nat. Genet.</i> 16:133-143, 1997.

EXAMINER <i>DDS Deborah B. Bond</i>	DATE <i>1/15/05</i> CONSIDERED
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SUBSTITUTE FORM PTO-1449
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STATEMENT BY APPLICANT
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U.S. PATENTS

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dc	4,797,356	01/10/89	Brandt et al.	435	7	12/02/85
	4,847,081	07/11/89	Rice	424	186.1	03/30/87
	4,873,316	10/10/89	Meade et al.	530	412	06/23/87
	4,959,317	09/25/90	Sauer	435	172.3	04/29/87
	4,994,384	02/19/91	Prather et al.	435	172.3	1027/87
	5,021,244	06/04/91	Spaulding	424	561	05/12/89
	5,057,420	10/15/91	Massey	435	172.2	10/16/90
	5,096,822	03/17/92	Rosenkrans, Jr. et al.	435	388	07/26/90
	5,160,312	11/03/92	Voelkel	600	34	02/06/91
	5,175,384	12/29/92	Krimpenfort et al.	800	2	12/05/88
	5,213,979	05/25/93	First et al.	435	240.2	12/30/87
	5,320,952	06/14/94	Deutch et al.	435	69.1	06/02/93
	5,346,990	09/13/94	Spaulding	530	350	03/12/91
	5,374,544	12/20/94	Schwartz et al.	435	69.1	01/15/92
	5,434,066	07/18/95	Bebbe et al.	435	172.3	03/15/94
	5,434,340	07/18/95	Krimpenfort et al.	800	2	07/27/92
	5,453,366	09/26/95	Sims et al.	435	172.3	03/15/93
	5,464,764	11/07/95	Capechi et al.	435	6	02/04/93
	5,470,560	11/28/95	Martin, Jr.	424	9.2	02/04/94
	5,482,856	01/09/96	Fell, Jr. et al.	435	320.1	04/12/93
	5,487,992	01/30/96	Capechi et al.	435	172.3	06/28/93
dc	5,496,720	03/05/96	Susko-Parrish et al.	435	240.2	02/10/93

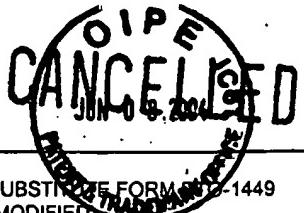
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Deborah Crone

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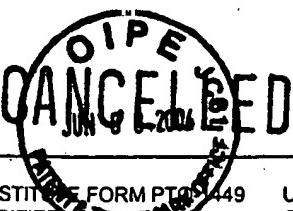
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U.S. PATENTS

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de	5,527,674	06/18/96	Guerra et al.	435	6	05/02/94
	5,545,806	08/13/96	Lonberg et al.	800	2	12/16/92
	5,545,807	08/13/96	Surani et al.	800	2	08/05/94
	5,565,350	10/15/96	Kmiec	435	172.3	12/09/94
	5,565,362	10/15/96	Rosen	435	320.1	01/24/94
	5,569,825	10/29/96	Lonberg et al.	800	2	12/17/91
	5,583,016	12/10/96	Villeponteau et al.	435	91.3	10/27/94
	5,591,669	01/07/97	Krimpenfort et al.	800	2	05/30/95
	5,612,205	03/18/97	Kay et al.	435	172.3	08/28/91
	5,614,396	03/25/97	Bradley et al.	435	172.3	02/22/94
	5,618,686	04/08/97	Kojima et al.	435	26	03/04/94
	5,625,126	04/29/97	Lonberg et al.	800	2	12/07/94
	5,627,059	05/06/97	Capecci et al.	800	21	06/05/95
	5,631,153	05/20/97	Capecci et al.	435	172.3	06/05/95
	5,633,076	05/27/97	DeBoer et al.	435	172.3	11/16/93
	5,633,425	05/27/97	Lonberg et al.	800	2	02/05/92
	5,639,457	06/17/97	Brem et al.	424	184.1	11/15/94
	5,652,373	7/29/97	Reisner	800	11	5/17/93
	5,654,182	08/05/97	Wahl et al.	435	172.1	06/07/95
	5,660,997	08/26/97	Spaulding	435	7.21	06/07/94
	5,661,016	08/26/97	Lonberg et al.	435	172.3	04/26/93
de	5,677,177	10/14/97	Wahl et al.	435	325	06/07/95

EXAMINER	Deborah Branch	DATE CONSIDERED	4/5/05
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U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
<i>jl</i>	5,679,523	10/21/97	Li et al.	435	6	01/16/96
	5,695,977	12/09/97	Jurka	435	172.3	05/07/96
	5,698,763	12/16/97	Weissmann et al.	800	2	06/21/94
	5,721,367	02/24/98	Kay et al.	800	2	06/05/95
	5,733,730	03/31/98	De Lange	435	6	08/25/95
	5,741,957	04/21/98	Deboer et al.	800	2	06/05/95
	5,750,172	05/12/98	Meade et al.	426	580	06/05/95
	5,756,325	05/26/98	Kmiec	435	172.3	09/09/96
	5,763,240	06/09/98	Zarling et al.	435	172.3	07/14/94
	5,770,422	06/23/98	Collins	435	194	06/23/98
	5,770,429	06/23/98	Lonberg et al.	435	240.2	10/10/95
	5,776,744	07/07/98	Glazer et al.	435	172.3	06/07/95
	5,780,009	07/14/98	Karatzas et al.	424	9.1	01/20/95
	5,780,296	07/14/98	Holloman et al.	435	320.1	01/17/95
	5,789,215	08/04/98	Berns et al.	435	172.3	08/07/97
	5,789,650	08/04/98	Lonberg et al.	800	2	03/18/92
	5,789,655	08/04/98	Prusiner et al.	800	2	06/06/96
	5,801,030	09/01/98	McVey et al.	435	172.3	09/01/95
	5,814,318	09/29/98	Lonberg et al.	424	184.1	07/22/93
	5,821,117	10/13/98	Sandrin et al.	435	320.1	03/15/94
<i>jl</i>	5,827,690	10/27/98	Meade et al.	435	69.6	12/20/93

EXAMINER

Dorothy Cox

DATE CONSIDERED

4-15-05

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SUBSTITUTE FORM PTO-146 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicants Filing Date Group IDS Filed Customer No.	50195/008003 09/988,115 James M. Robl et al. November 16, 2001 1632 June 7, 2004 21559
(37 C.F.R. § 1.98(b))			

U.S. PATENTS

Examiner's Initials	Patent No. or Patent Publication No.	Issue Date or Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
	5,830,698	11/03/98	Reff et al.	435	69.1	03/14/97
	5,837,857	11/17/98	Villeponteau et al.	536	24.31	06/5/96
	5,843,643	12/01/98	Ratner	435	6	02/22/94
	5,843,754	12/01/98	Susko-Parmish et al.	435	240	06/06/95
	5,849,991	12/15/98	d'Apice et al.	800	2	01/26/95
	5,849,992	12/15/98	Meade et al.	800	2	03/27/95
	5,874,299	02/23/99	Lonberg et al.	435	320.1	02/14/97
	5,876,979	03/02/99	Andrews et al.	435	91.3	06/07/95
	5,877,397	03/02/99	Lonberg et al.	800	2	09/19/94
	5,891,698	04/06/99	Prieto et al.	435	67.1	05/02/95
	5,945,577	08/31/99	Stice et al.	800	24	01/10/97
	5,952,222	09/14/99	Rosenkrans, Jr. et al.	435	325	08/02/96
	6,011,197	01/04/00	Strelchenko et al.	800	24	01/28/99
	6,023,010	02/08/00	Krimpenfort et al.	800	2	12/05/96
	6,030,833	02/29/00	Seebach et al.	435	325	08/02/96
	6,054,632	04/25/00	Reid	800	6	11/15/96
	6,066,719	05/23/00	Zapata	530	387.3	03/06/97
	6,074,853	06/13/00	Pati et al.	435	91.1	08/14/98
	6,077,710	06/20/00	Susko-Parmish et al.	435	375	10/21/98
	6,091,001	07/18/00	Jakobovits et al.	800	18	03/29/95
	6,147,276	11/14/00	Campbell et al.	800	24	02/19/97
	6,153,428	11/28/00	Gustafsson et al.	435	325	3/26/96

EXAMINER *Deborah Conec* DATE CONSIDERED *4-13-05*

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U.S. PATENTS

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<i>de</i>	6,166,288	12/26/00	Diamond et al.	800	17	07/03/96
	6,183,993	02/06/01	Boyce et al.	435	69.7	06/10/99
	6,194,202	02/27/01	Susko-Parrish et al.	435	325	03/04/96
	6,204,061	03/20/01	Capechi et al.	435	463	01/09/97
	6,204,431	03/20/01	Prieto et al.	800	14	09/05/97
	6,252,133	06/26/01	Campbell et al.	800	24	02/19/97
	6,258,998	07/10/01	Damiani et al.	800	24	11/24/98
	6,271,436	08/07/01	Piedrahita et al.	800	21	10/10/97
	6,300,129	10/09/01	Lonberg et al.	435	326	12/02/96
	6,395,958	05/28/02	Strelchenko et al.	800	7	07/15/99
	2002/0001842	01/03/02	Chapman	435	449	12/15/00
	2002/0012660	01/31/02	Colman et al.	424	93.21	12/30/99
<i>de</i>	2002/0108132	08/08/02	Rapp	800	6	06/08/01

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
<i>de</i>	EP 0546073	09/10/97	EPO			
	EP 0773288	05/14/97	EPO			No
	EP 0843961	05/27/98	EPO			
	EP 1106061	06/13/01	EPO			No
	WO 92/03918	03/19/92	WIPO			No
	WO 93/10227	05/27/93	WIPO			No
<i>de</i>	WO 94/02602	02/03/94	WIPO			No

EXAMINER	<i>Meredith Conner</i>	DATE CONSIDERED	4-15-05
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SUBSTITUTE FOR PTO-1449
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<i>jl</i>	WO 95/33828	12/14/95	WIPO			No
	WO 96/33735	10/31/96	WIPO			No
	WO 97/07668	03/06/97	WIPO			No
	WO 97/07669	03/06/97	WIPO			No
	WO 97/07671	03/06/97	WIPO			Yes (provided as EP 0773288)
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	WO 98/14593	04/09/98	WIPO			No
	WO 98/24884	06/11/98	WIPO			No
	WO 98/24893	06/11/98	WIPO			No
	WO 98/30683	07/16/98	WIPO			No
	WO 98/37183	08/27/98	WIPO			No
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	WO 00/42174	07/20/00	WIPO			No
	WO 00/10383	03/02/00	WIPO			Yes (provided as EP 1106061)
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	WO 00/67569	11/16/00	WIPO			No
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de	WO 01/35735	05/25/01	WIPO			No
de	WO 01/73107	10/04/01	WIPO			No

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EXAMINER

Deborah Cross

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)			
<p><i>dl</i></p> <p>Ishida et al., "Production of a Diverse Repertoire of Human Antibodies In Genetically Engineered Mice," <i>Microbial. Immunol.</i> 42:143-150 (1998).</p>			
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EXAMINER	<i>Deborah Crone</i>	DATE CONSIDERED	<i>4-15-05</i>
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.			

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Sheet 9 of 9

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(MODIFIED)

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 C.F.R. § 1.98(b))

Attorney Docket No.	50195/008003
Serial No.	09/988,115
Applicants	James M. Robl et al.
Filing Date	November 16, 2001
Group	1632
IDS Filed	June 7, 2004
Customer No.	21559

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EXAMINER

Deborah Conel

DATE CONSIDERED

4-15/05

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